

Figure 1

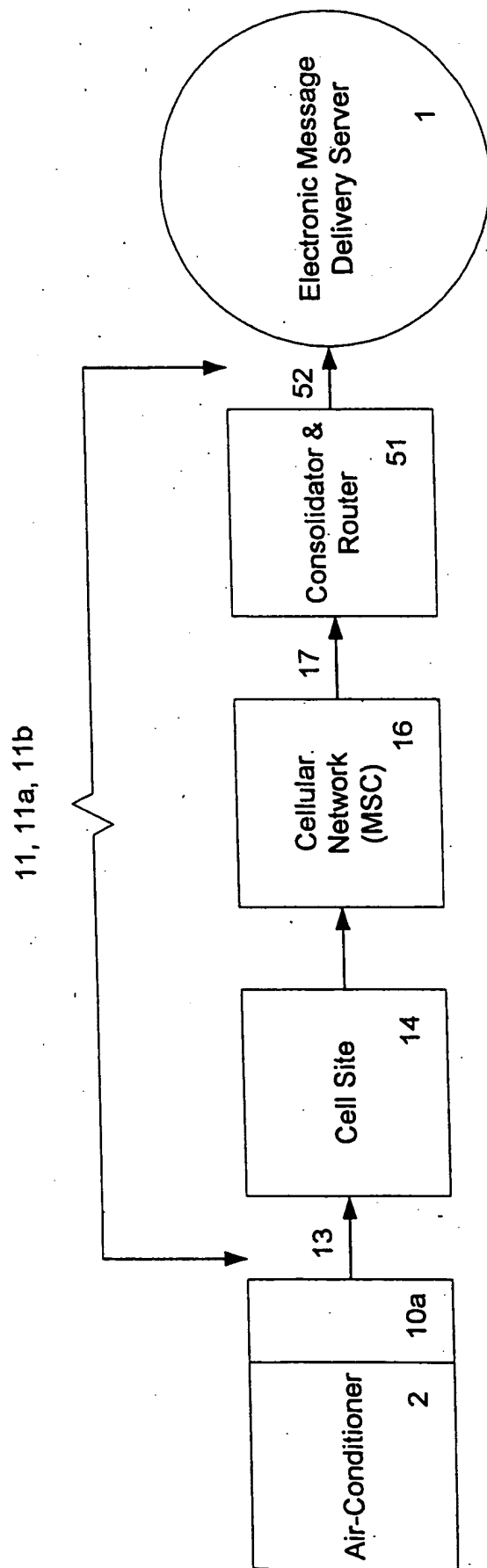


Figure 2

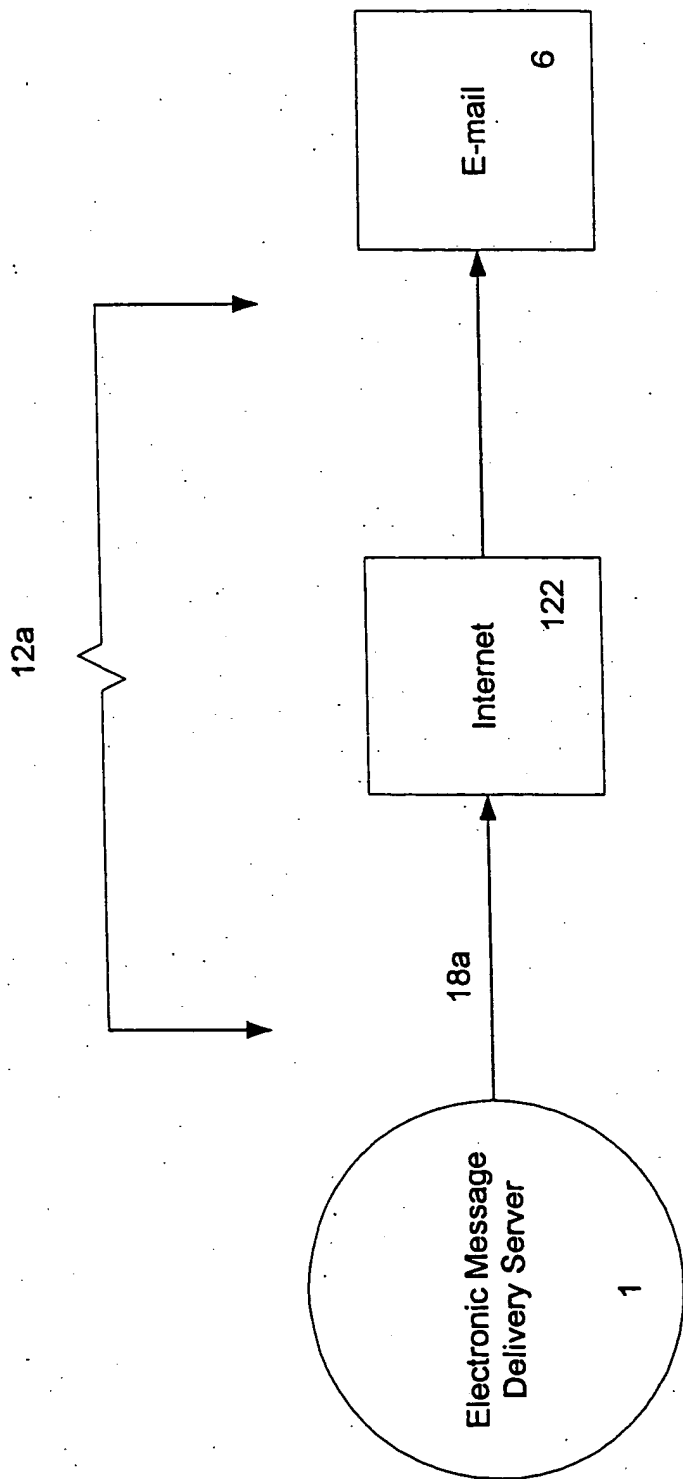


Figure 3a

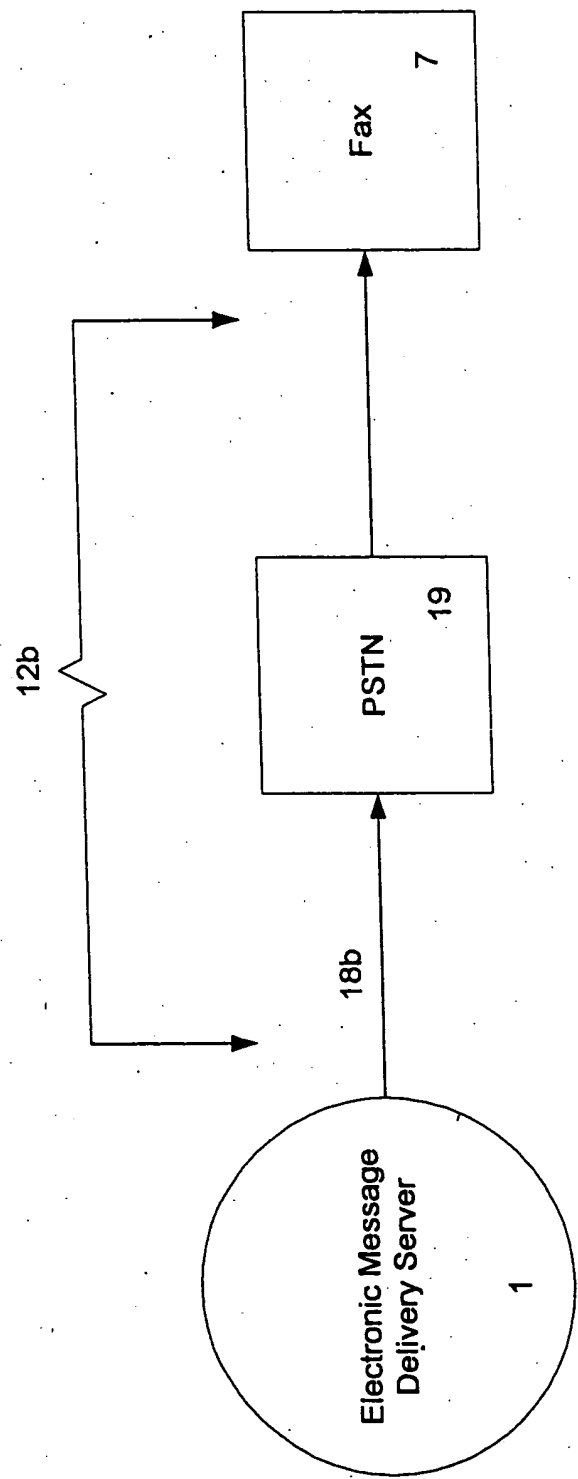


Figure 3b

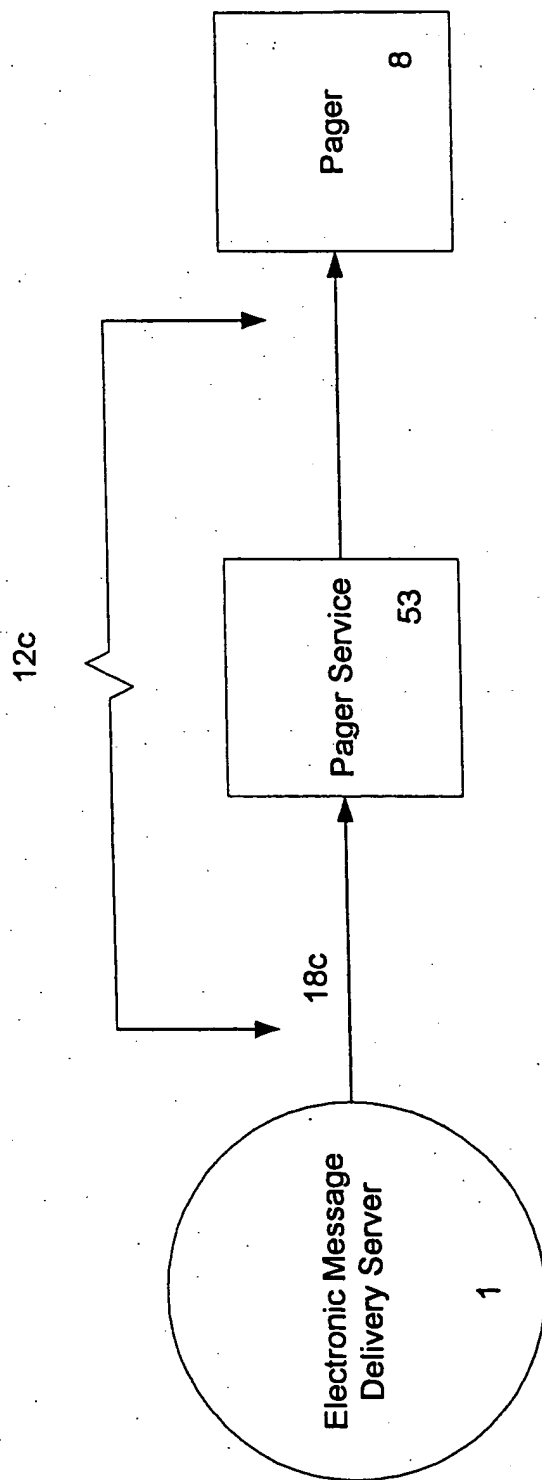


Figure 3c

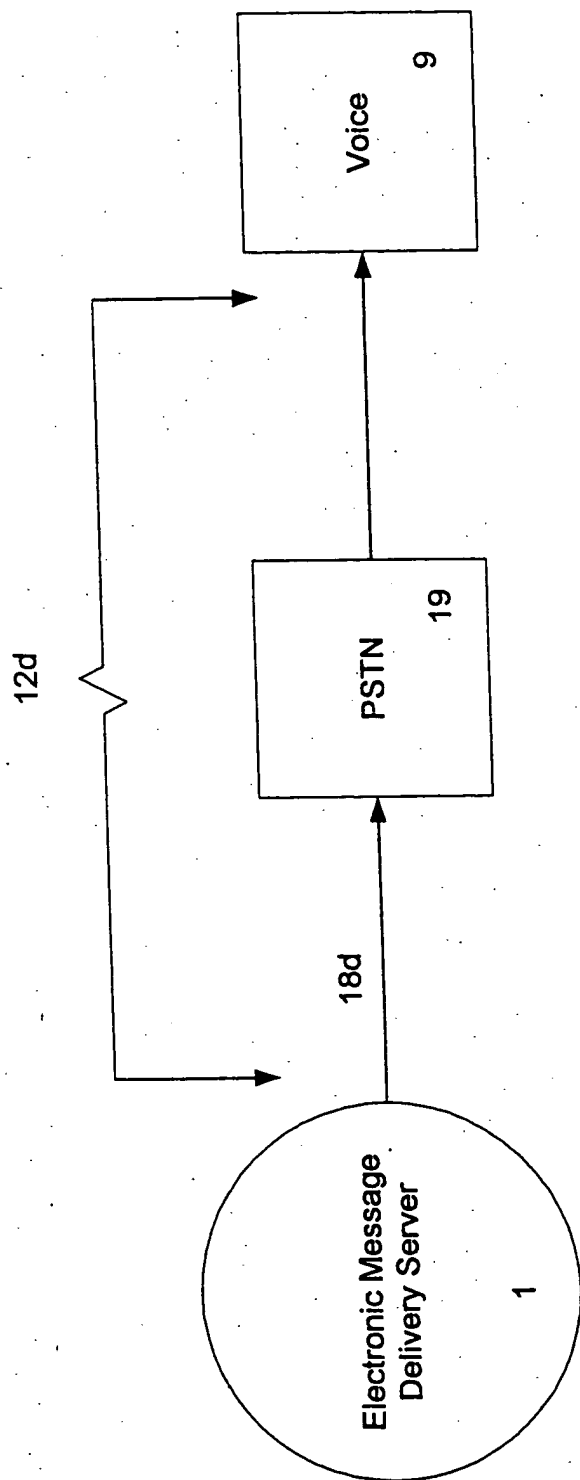


Figure 3d

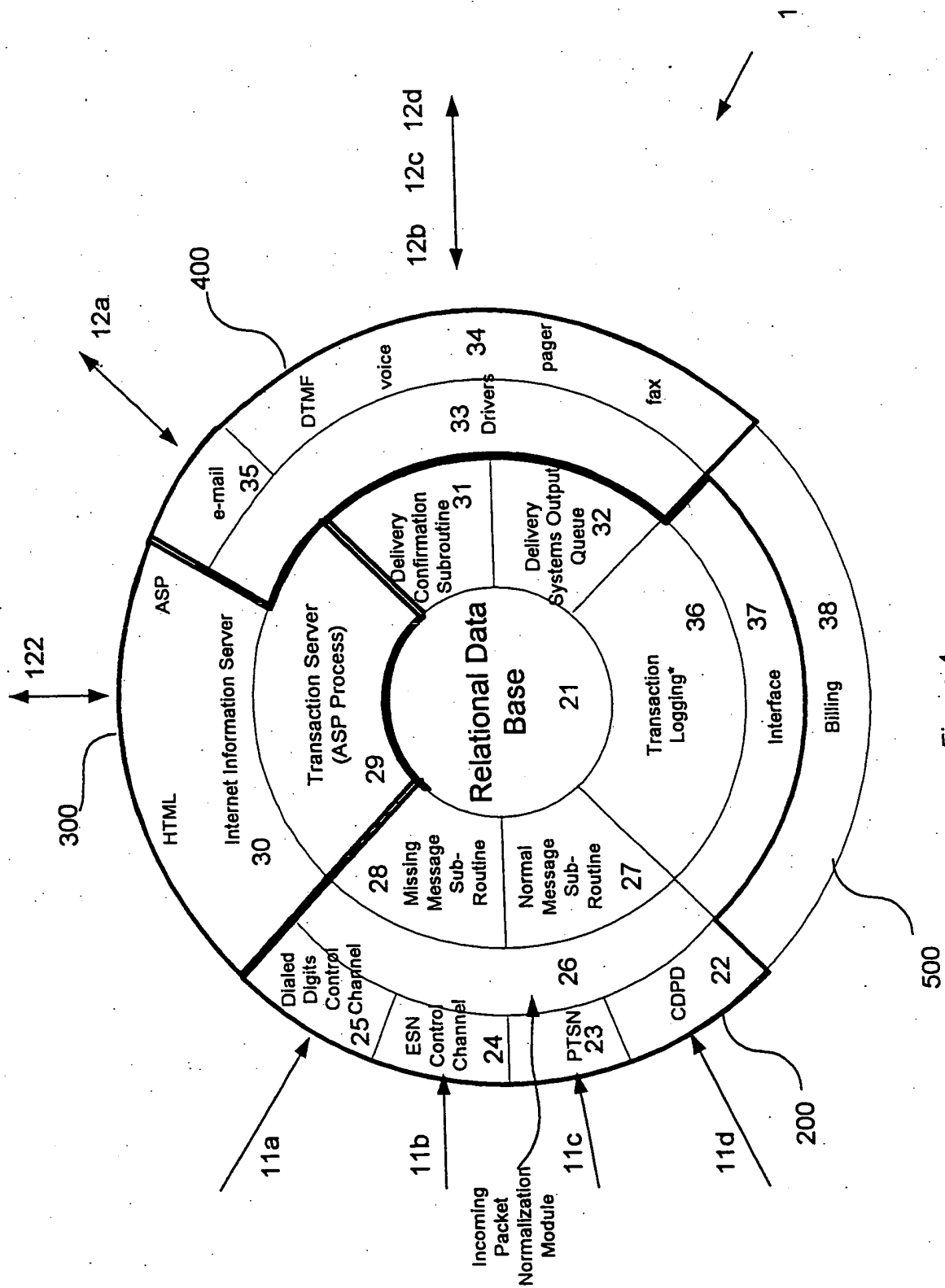


Figure 4

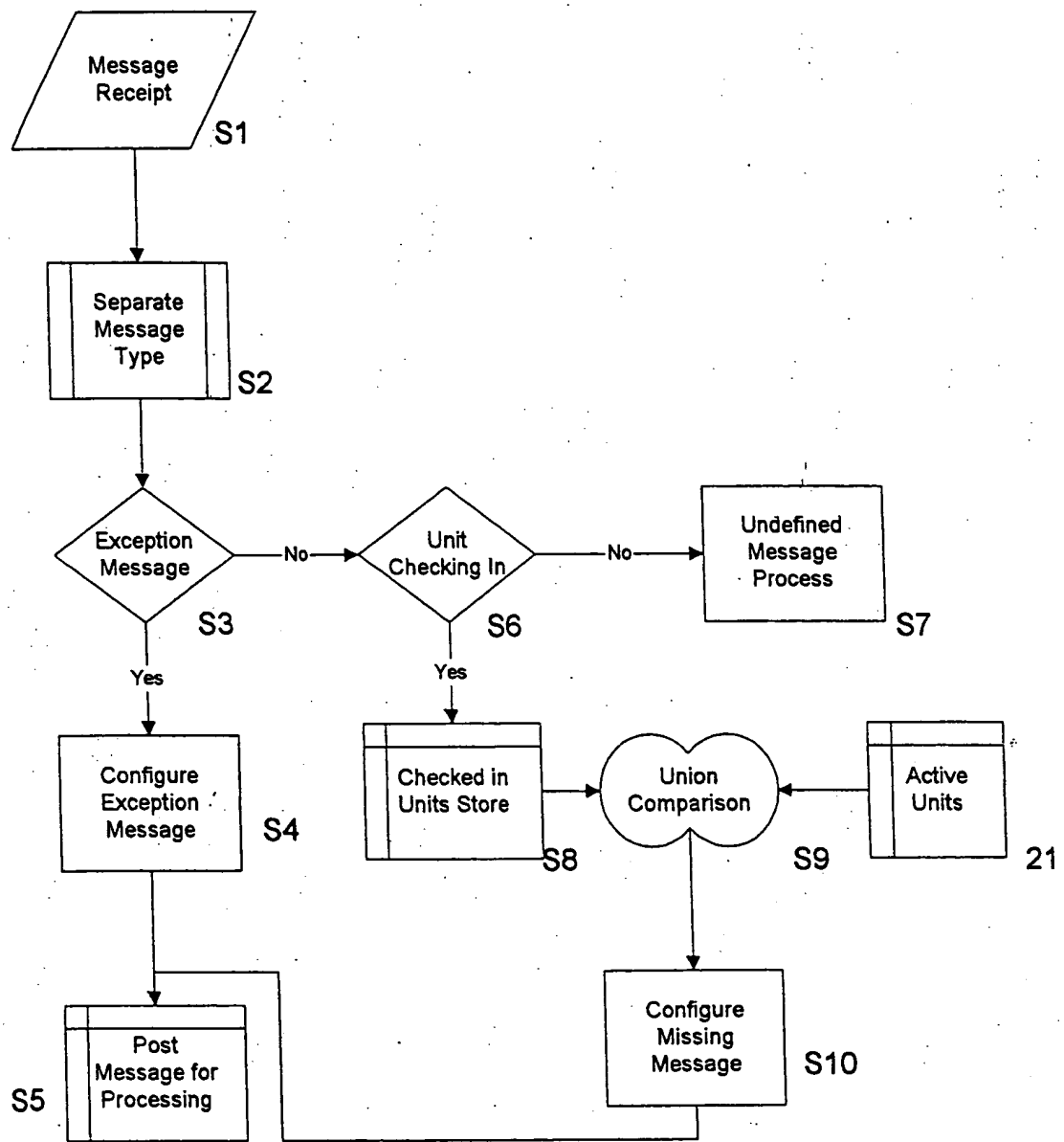


Figure 5

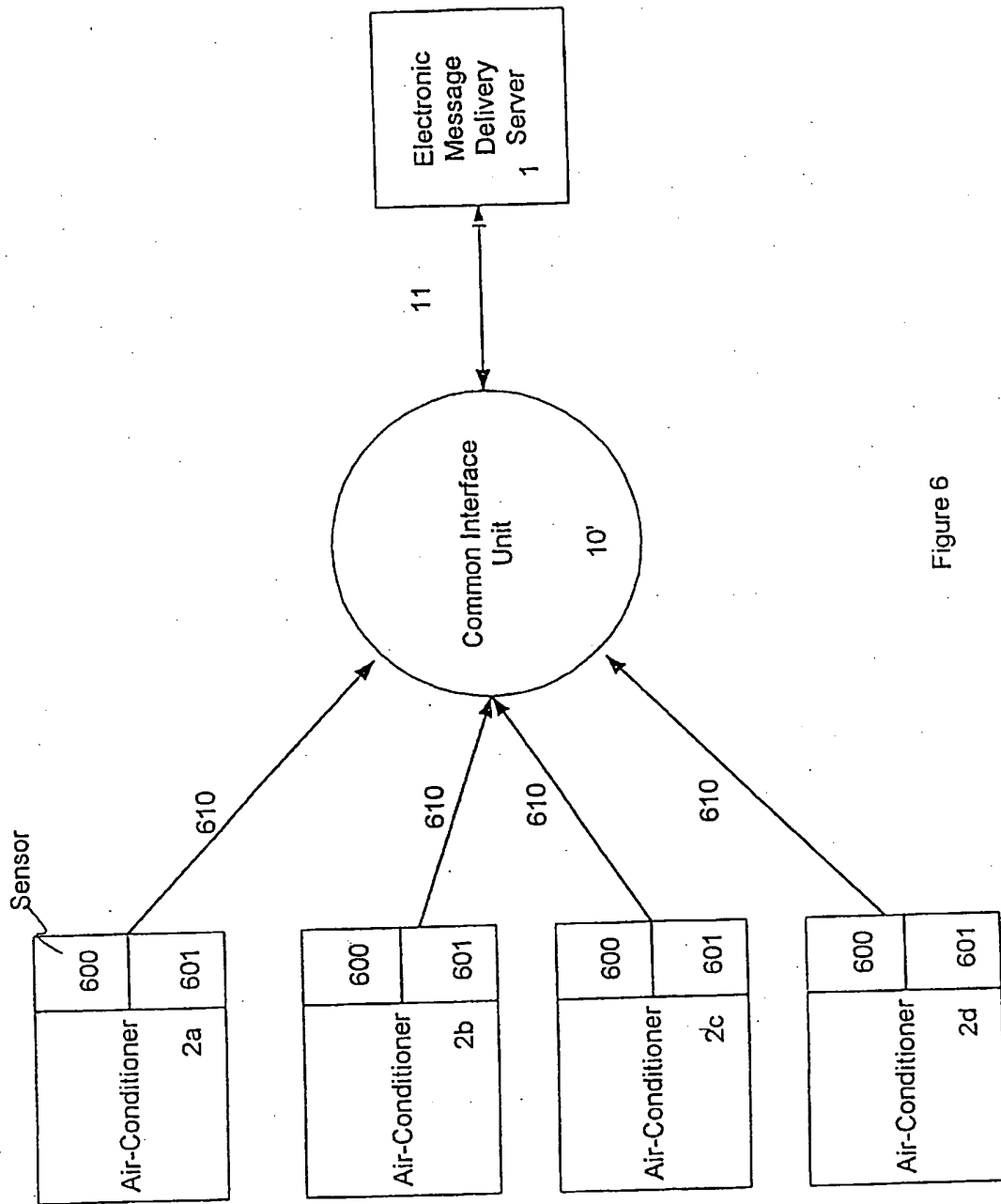


Figure 6

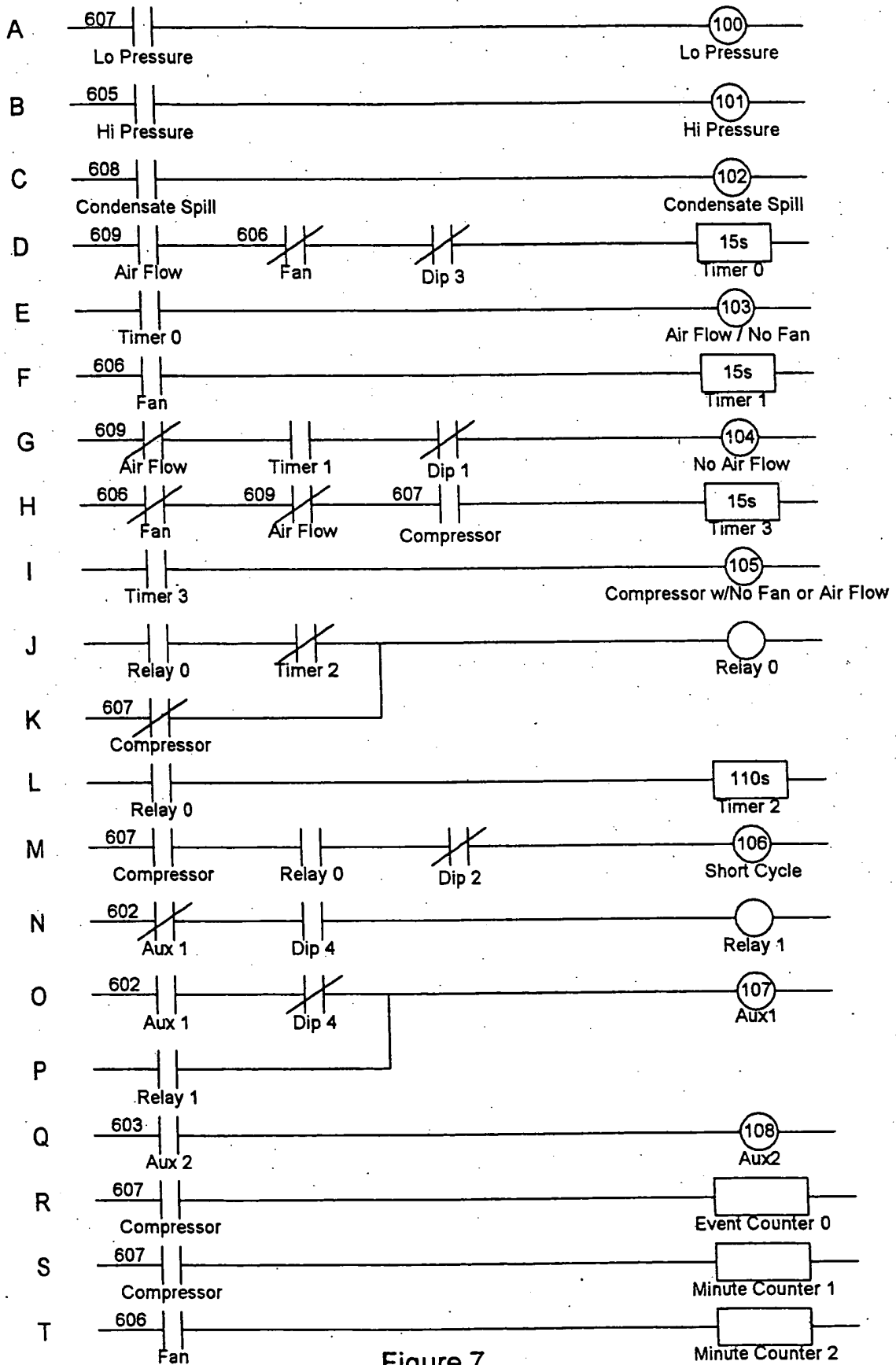


Figure 7

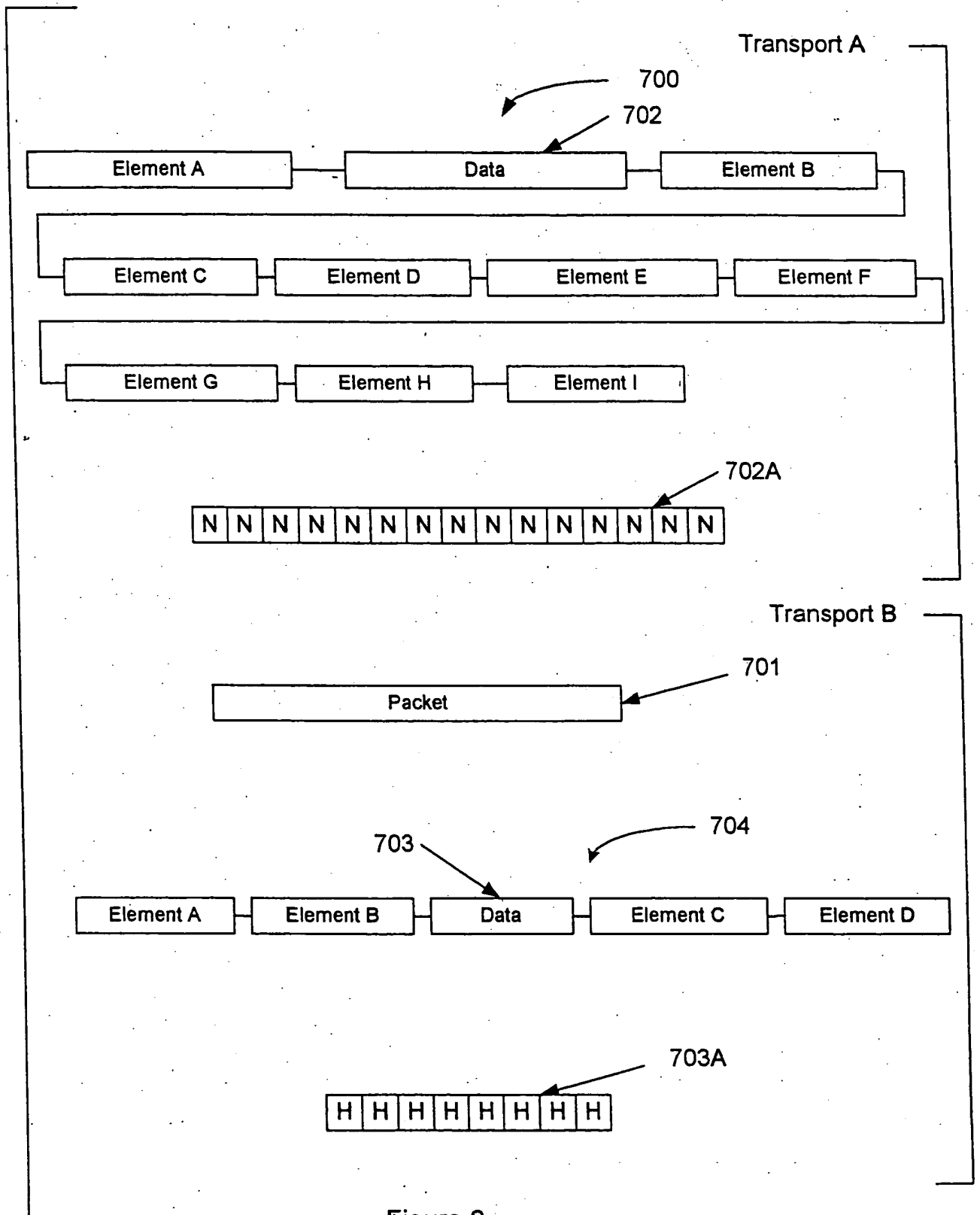


Figure 8

Incoming Message Table Transport A			
Key	Element A	Int	nnnn
	Data	Int	NNN..N
	Element B	Int	nnnn
	Element C	Char	\$
	Element D	Char	\$\$\$..\$
	Element E	Char	\$\$\$..\$
	Element F	Int	nnnn
	Element G	Int	nnnn
	Element H	Char	\$\$\$..\$
	Element I	Int	nnnn

705

Incoming Message Table Transport B			
Key	Element A	Char	\$
	Element B	Char	\$
	Data	Int	HHH..H
	Element C	Char	\$
	Element D	Char	\$\$\$..\$

706

Figure 9

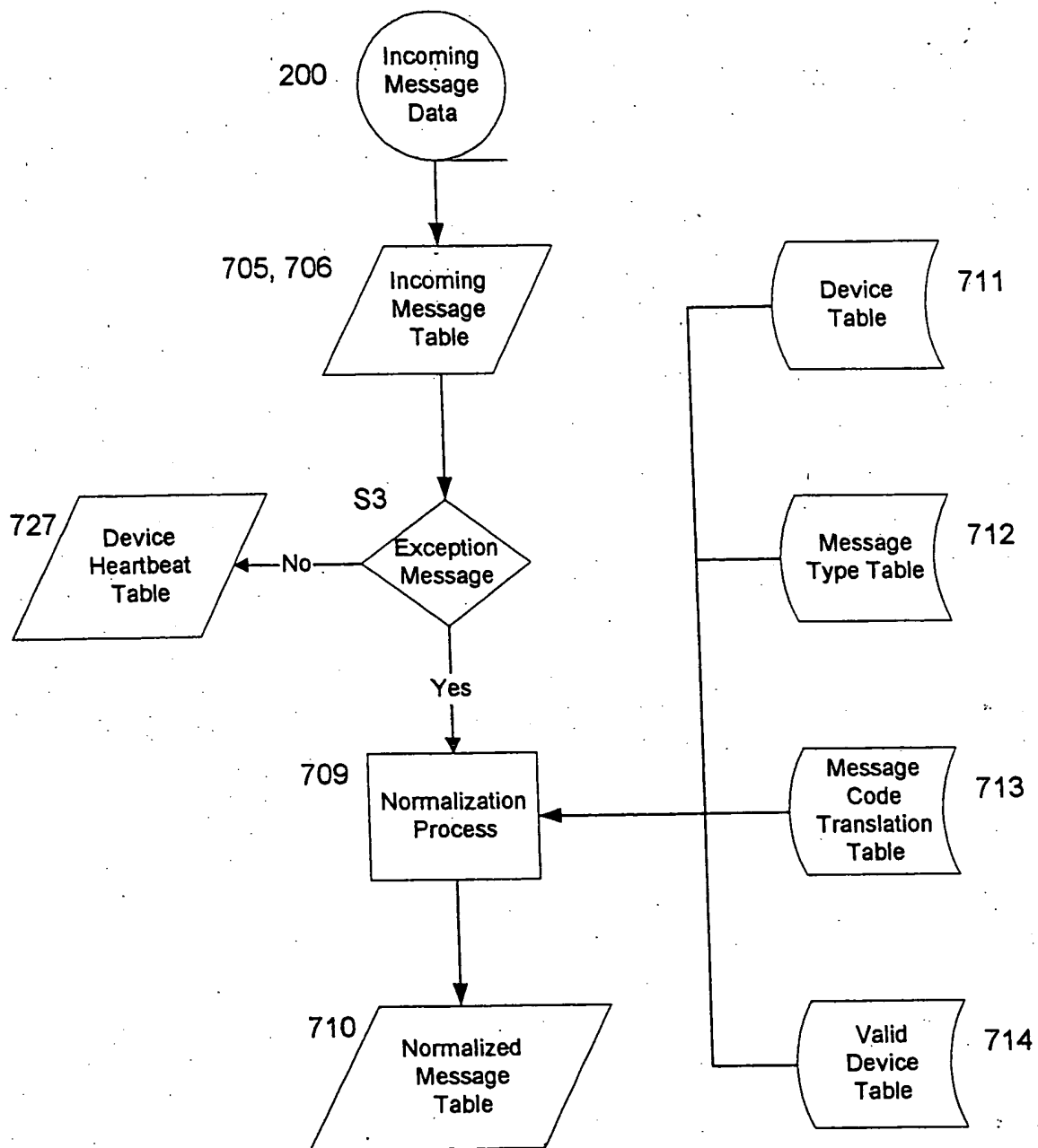


Figure 10

DeviceTable			
Key	MSN	Int	nn
Key	SubUnit Number	Char	\$\$
	Min0	Char	\$\$
Key	Device Id	Int	nn
	Min1	Char	\$\$
	Min9	Char	\$\$
	Device Id	Int	nn

711A

Message Type Table			
	Message Type Id	Char	\$
	Description	Char	\$

712A

Message Code Translation Table			
Key	Device Number B	Int	nnnn
Key	SubUnit Number	Char	\$
Key	Error Number	Char	\$
Key	Device Message	Int	nnnn
	Message Id	Int	nnnn

713A

Valid Device Table			
Key	Device Number B	Char	\$\$
	In Use	Char	\$
	Device Number A	Int	nnnn
	Batch Id	Int	nnnn
	Status	Char	\$

714A

719

Figure 11

Device Message Delivery			
Key	Message Delivery Id	Int	nnnn
	Message Id	Int	nnnn
	Device Id	Int	nnnn
	In Service	Char	\$
	Delivery Attempts	Int	nnnn
	Delivery Method	Char	\$\$\$..\$
	Retry Interval	Int	nnnn
	Wait Time	Int	nnnn
	Start Time	Datetime	DD
	End Time	Datetime	DD

720A

Device Location			
Key	Device Location Id	Int	nnnn
	Notifact User Id	Int	nnnn
	Device Id	Int	nnnn
	Installation Date	Datetime	TT:TT
	Retirement Date	Datetime	TT:TT
	Device Location Name	Char	\$\$\$..\$
	Gmt Offset	Int	nnnn
	Daylight Savings Time	Char	\$\$\$..\$
	Salutation	Char	\$\$\$..\$
	First Name	Char	\$\$\$..\$
	Middle Initial	Char	\$\$\$..\$
	Last Name	Char	\$\$\$..\$
	Gender	Char	\$\$\$..\$
	Phone	Char	\$\$\$..\$
	Extension	Char	\$\$\$..\$
	Address 1	Char	\$\$\$..\$
	Address 2	Char	\$\$\$..\$
	City	Char	\$\$\$..\$
	State	Char	\$\$\$..\$
	Zip	Char	\$\$\$..\$
	Manufacturer	Char	\$\$\$..\$
	Model	Char	\$\$\$..\$
	Serial Number	Char	\$\$\$..\$
	Name	Char	\$\$\$..\$

721A

Figure 12

Fax Delivery			
Key	Message Delivery Id	Int	nnnn
	Fax Number	Char	\$\$\$..\$
	To Name	Char	\$\$\$..\$
	From Name	Char	\$\$\$..\$
	Message Text	Char	\$\$\$..\$
	Subject	Char	\$\$\$..\$

722A

Modem Delivery			
Key	Message Delivery Id	Int	nnnn
	Modem Address	Char	\$\$\$..\$
	Message Text	Char	\$\$\$..\$
	Subject	Char	\$\$\$..\$

723A

Pager Delivery			
Key	Message Delivery Id	Int	nnnn
	Phone Number	Char	\$\$\$..\$
	Dialed Digits	Char	\$\$\$..\$
	Message Text	Char	\$\$\$..\$

724A

Phone Delivery			
Key	Message Delivery Id	Int	nnnn
	Phone Number	Char	\$\$\$..\$
	Voice Message File	Char	\$\$\$..\$
	Message Text	Char	\$\$\$..\$

725A

Figure 13

Delivery Attempt			
Key	Delivery Attempt Id	Int	nnnn
	Message Delivery Id	Int	nnnn
	Device Message Id	Int	nnnn
	Attempt Result	Char	\$\$\$..\$
	Delivery Attempt Dt	Datetime	TT:TT
	Attempt Number	Int	nnnn
	Wait Time	Int	nnnn
	Binary File	Char	\$\$\$..\$
	Attempt Finish	Datetime	TT:TT
	Result Text	Char	\$\$\$..\$

726A

Device Heartbeat			
Key	Device Hb Id	Int	nnnn
	Hb Transport	Char	\$\$\$..\$
	Hb Data	Char	\$\$\$..\$
	Device Id	Int	nnnn
	Device Location Id	Int	nnnn
	Hb Date	Datetime	TT:TT

727A

Device Message			
Key	Device Message Id	Int	nnnn
	Message Id	Int	nnnn
	Device Id	Int	nnnn
	Device Message DT	Datetime	TT:TT
	Device Location Id	Int	nnnn

728

Normalized Message			
	Message Delivery Id	Int	nnnn
Key	Message Queue Id	Int	nnnn
	Status	Char	\$
	Device Message Id	Int	nnnn
	Next Attempt	Datetime	TT:TT

710A

Figure 14

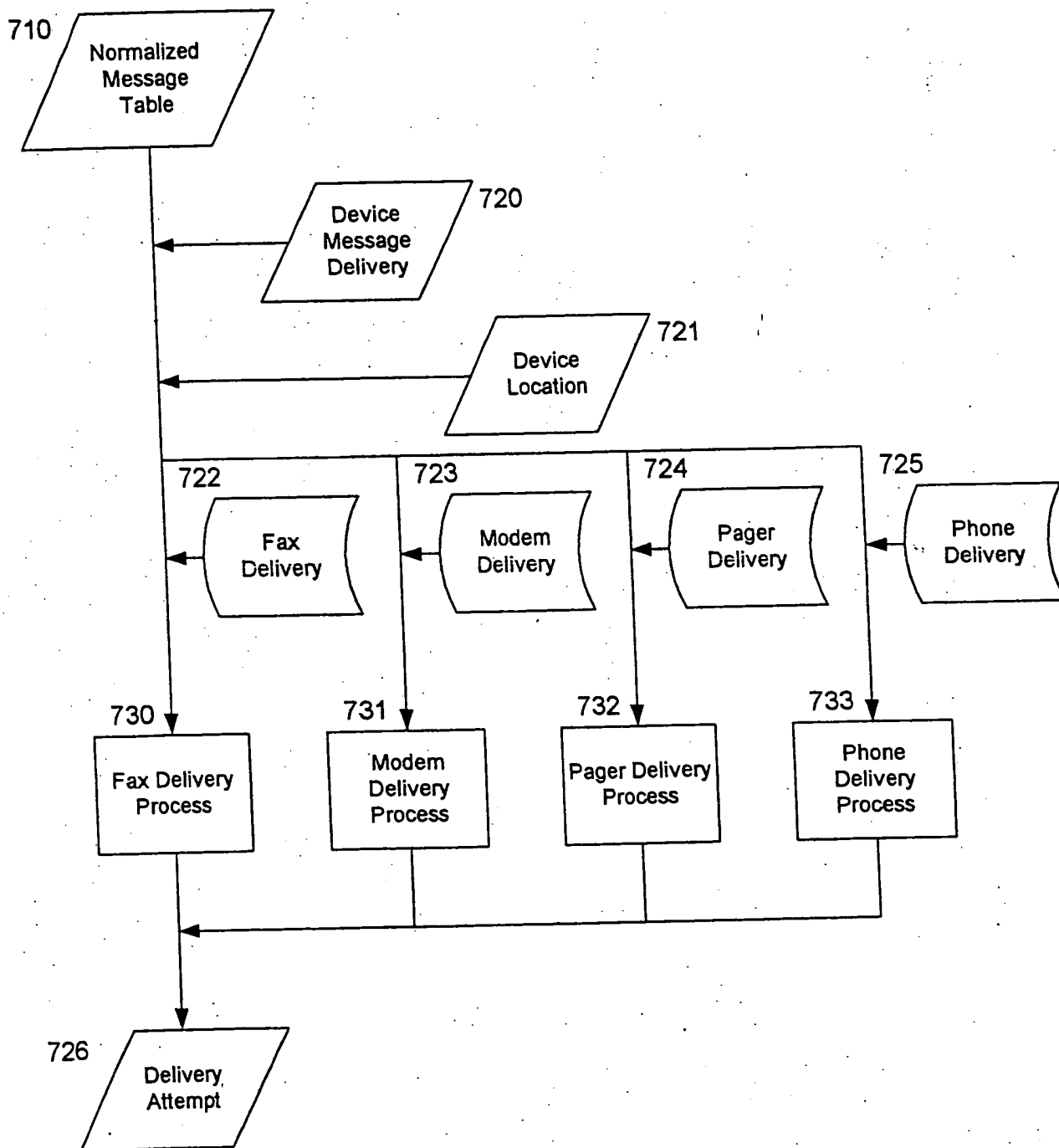


Figure 15

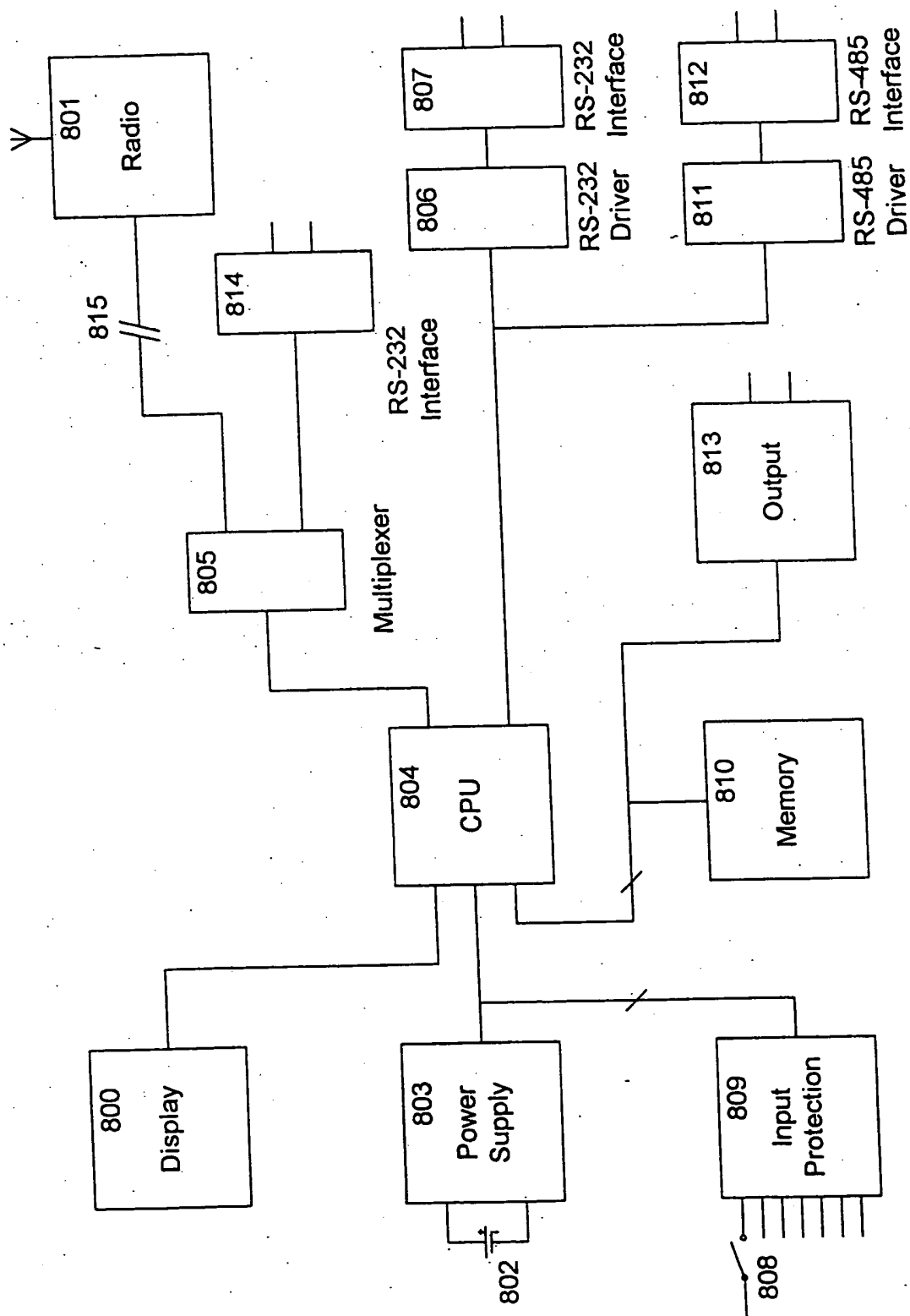


Figure 16

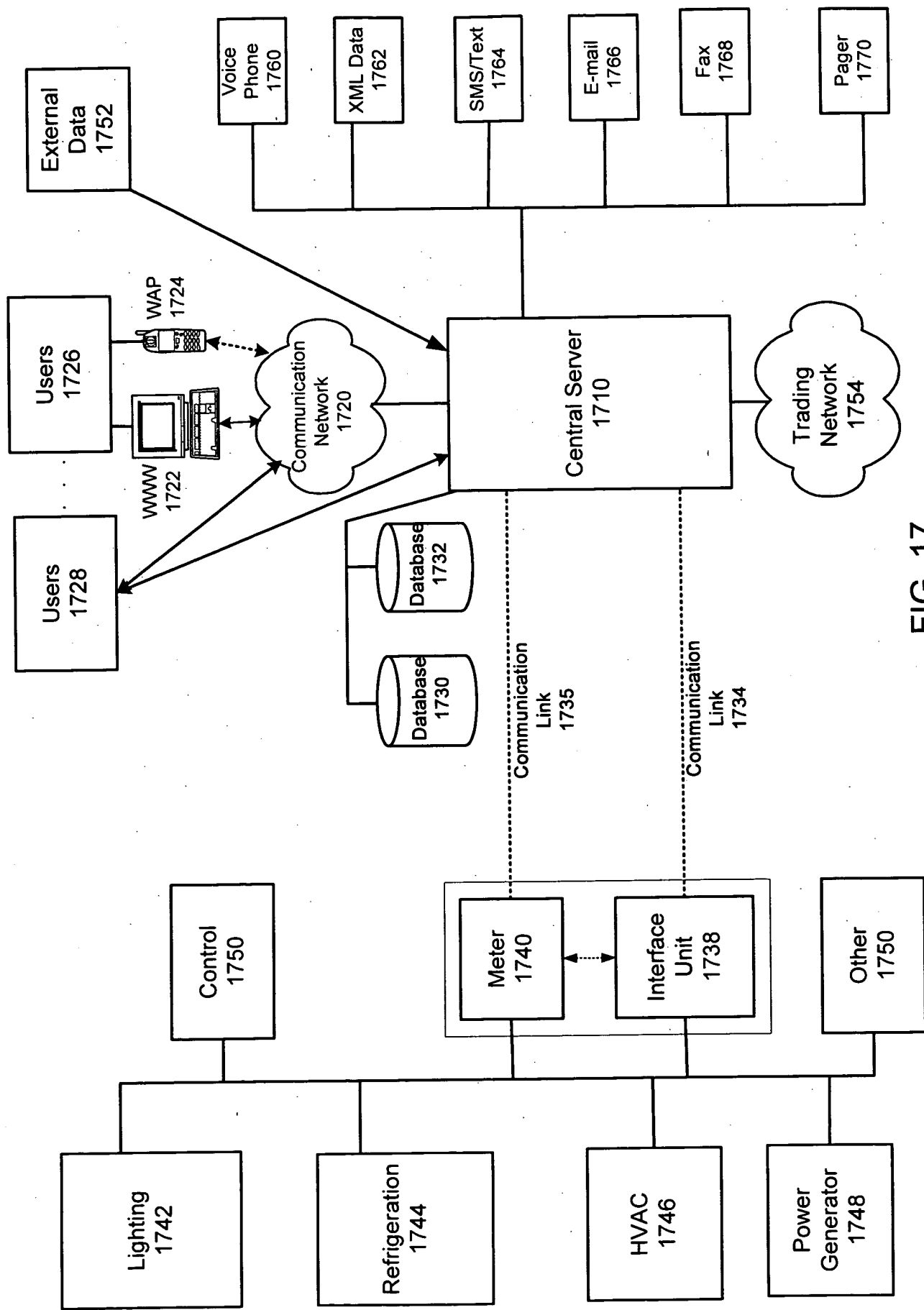


FIG. 17

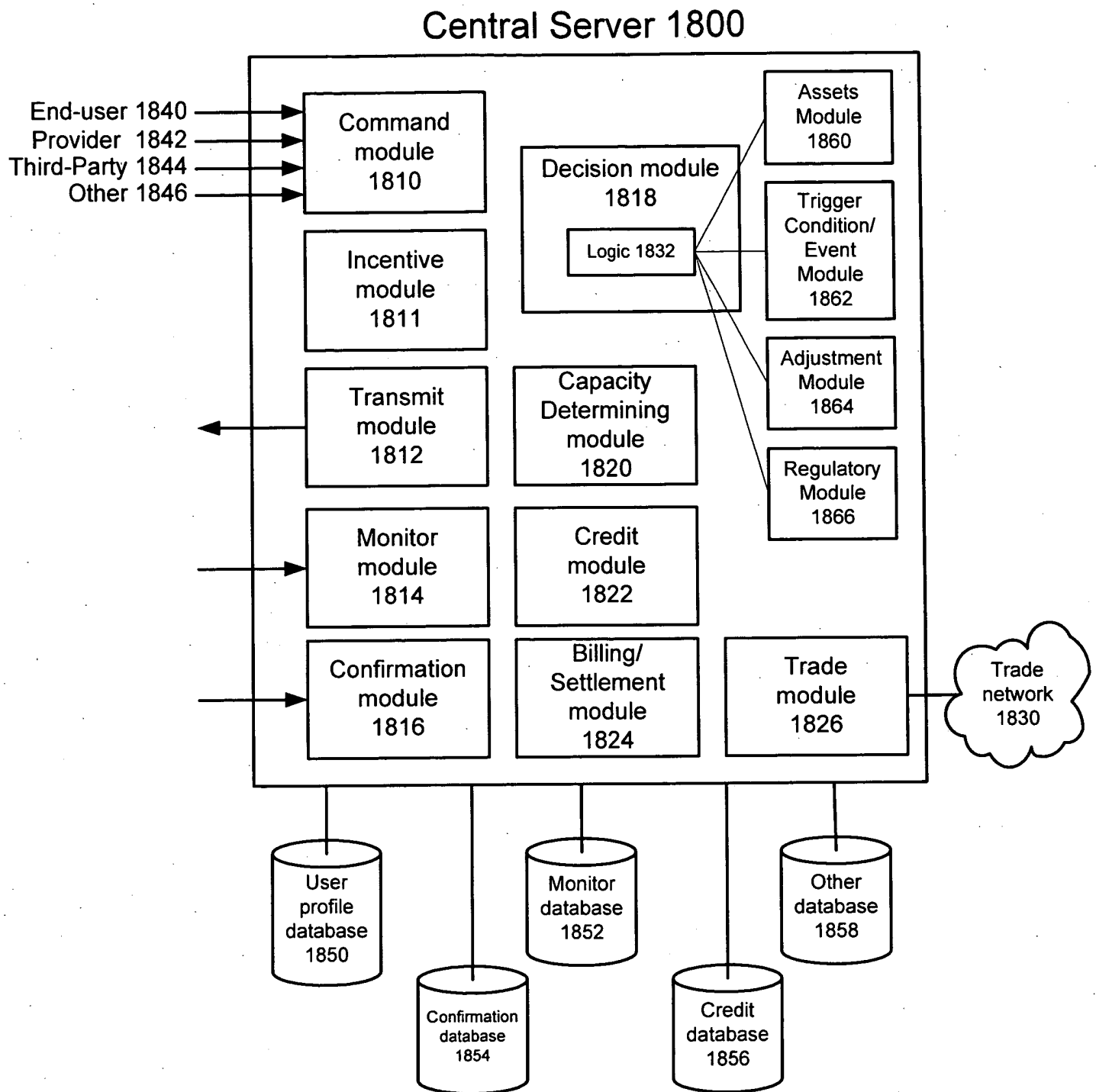


FIG. 18

Trigger Condition/Event Module 1818

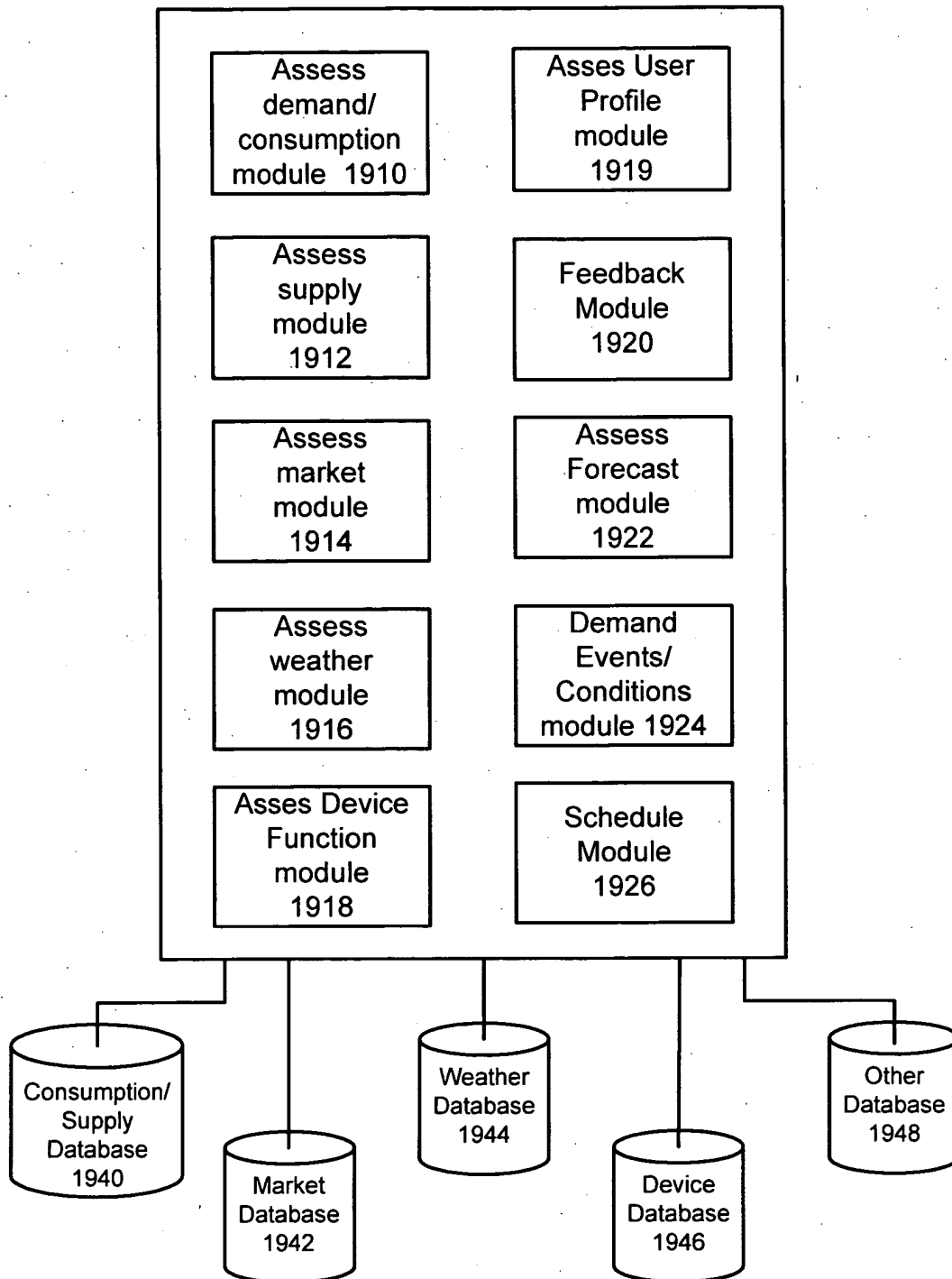


FIG. 19

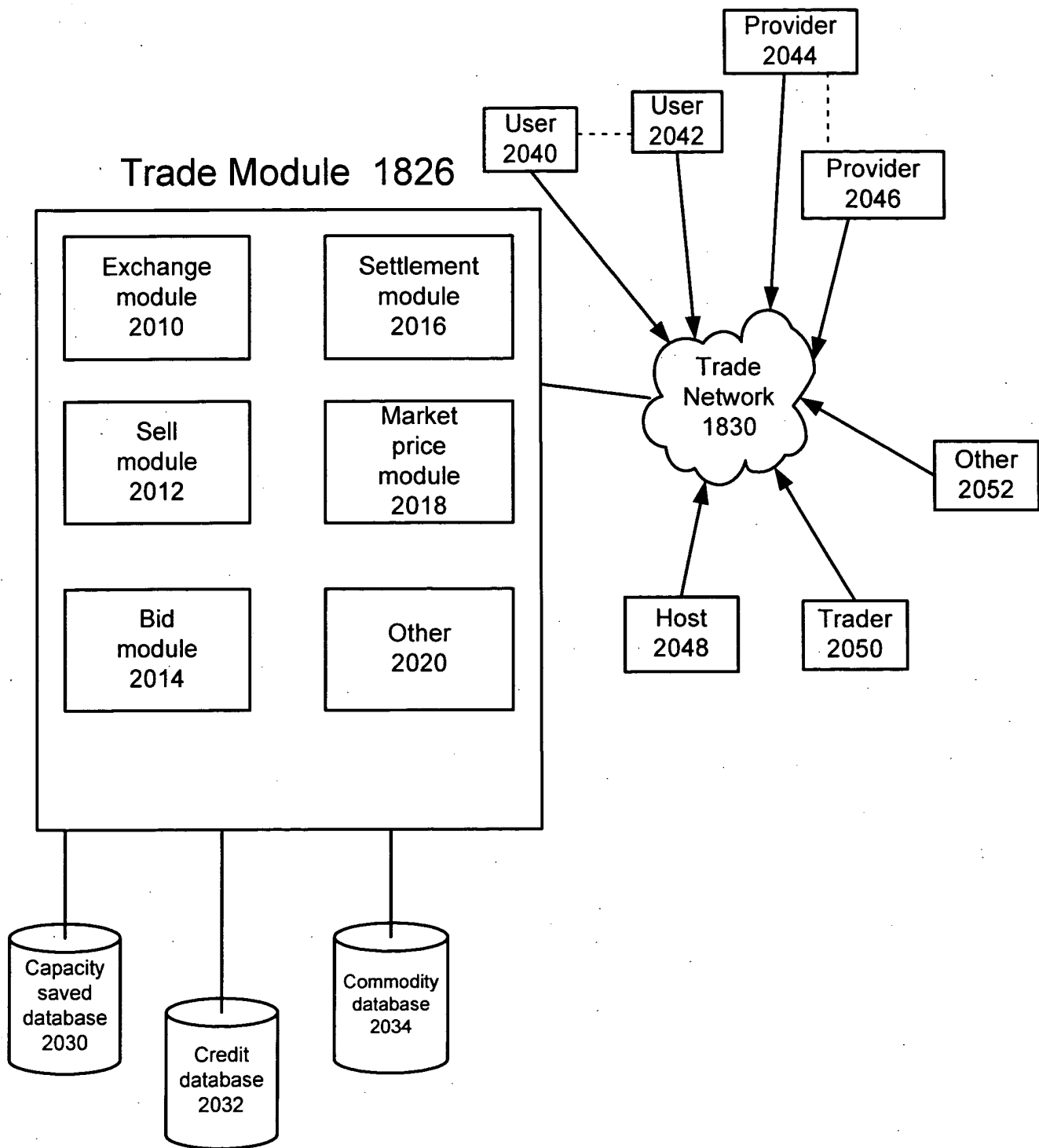


FIG. 20

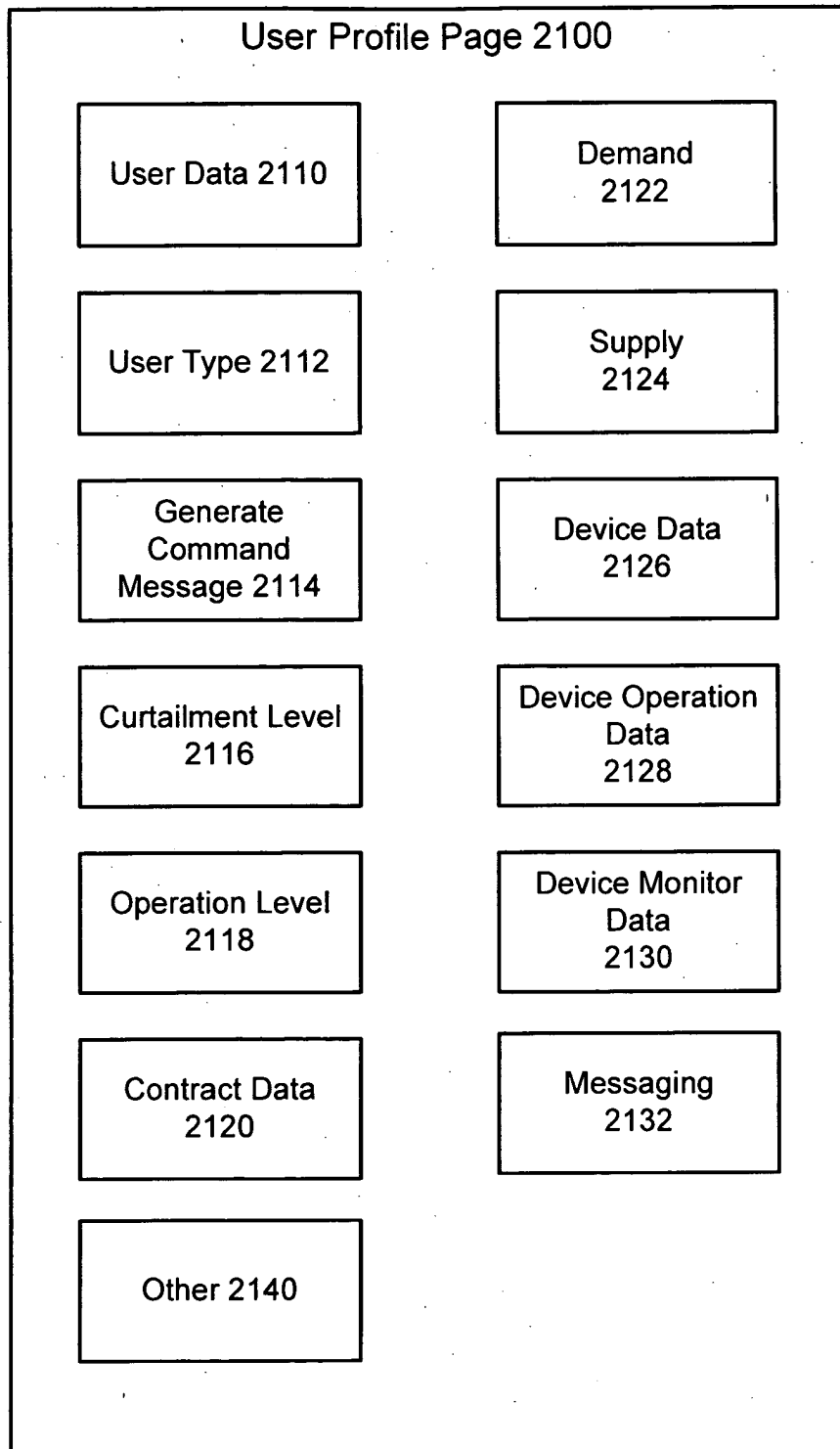


FIG. 21

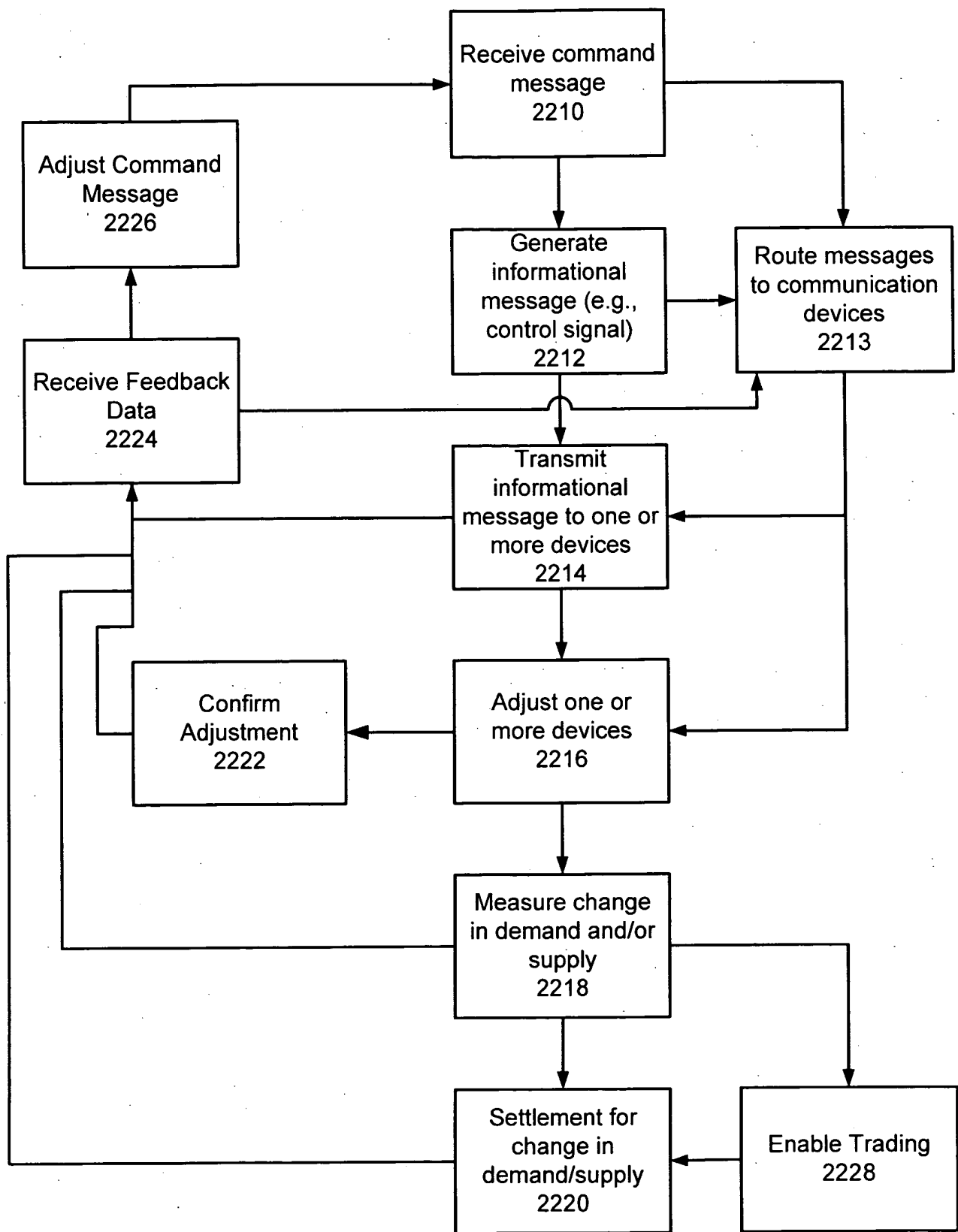


FIG. 22

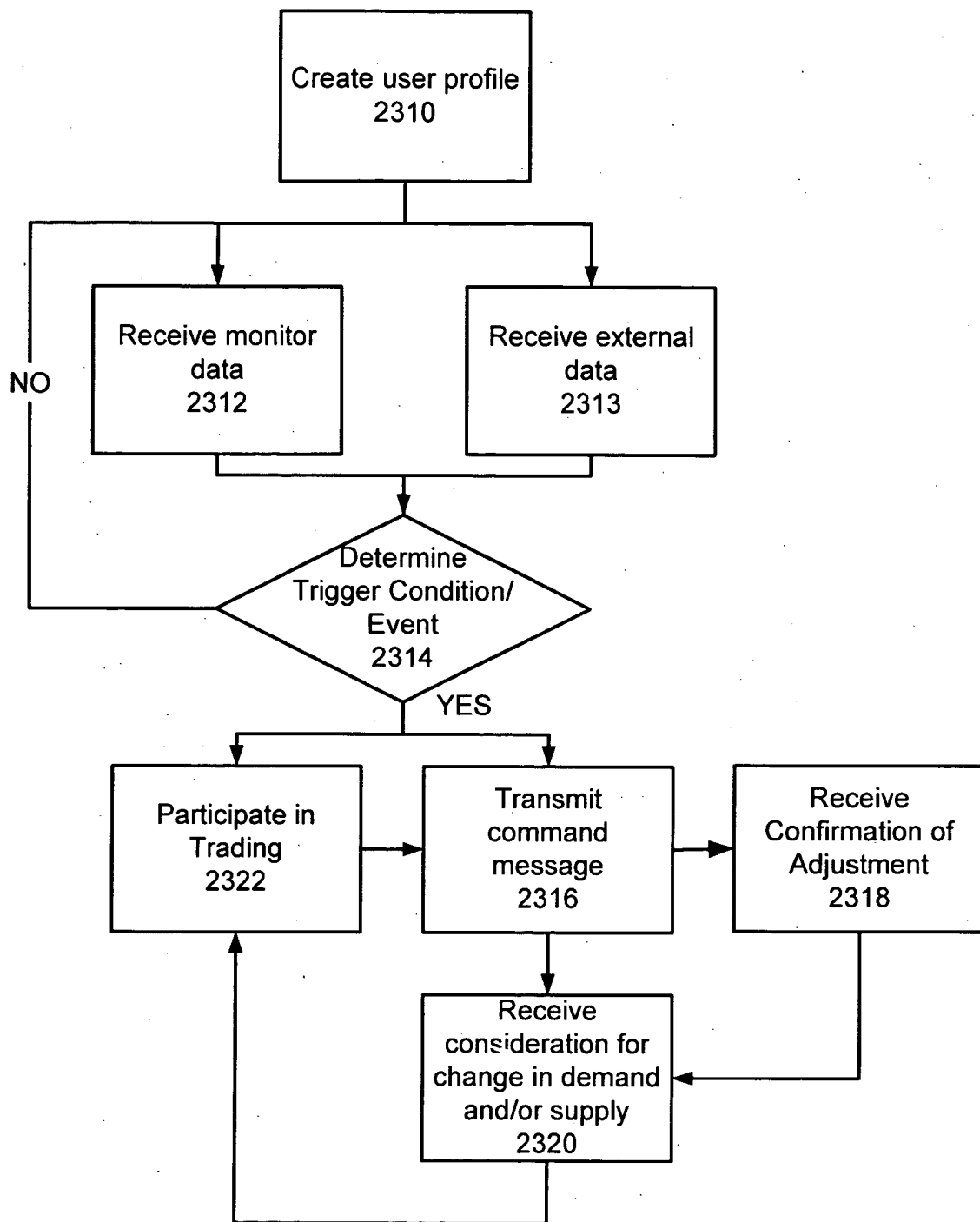


FIG. 23

Sample Curtailment Log: 2410

Location: Customer Name and Location

Equipment: Manufacturer:
Model:
Serial Number:
Group Name:
Equipment Name:

Contact: Name:
Phone:

Sample of System Messages Generated 2420

Message ID	Message Date	Message Description
19863	10/29/00 17:41:20	<u>Energy Curtailment completed. Case Lights should turn back on at 6:00 pm. Notify Maintenance should you experience any problems.</u>
19862	10/29/00 13:31:21	<u>Energy Curtailment to begin at 2 pm. Please notify your customers that case lights will shut off until 6:00 pm</u>
19862	10/26/00 15:55:32	<u>*Curtailment Initiated</u>

Sample from Message Delivery Confirmation Log 2424

Delivery Method	ID	Result	Delivery Address	Delivery Time
E-MAIL	62405	DELIVERED	jim@customer.com	10/29/00 17:44:25
E-MAIL	62406	DELIVERED	dave@control.com	10/29/00 17:44:26
PHONE	62652	DELIVERED	1(800) 555-5555	10/29/00 18:36:12

FIG. 24

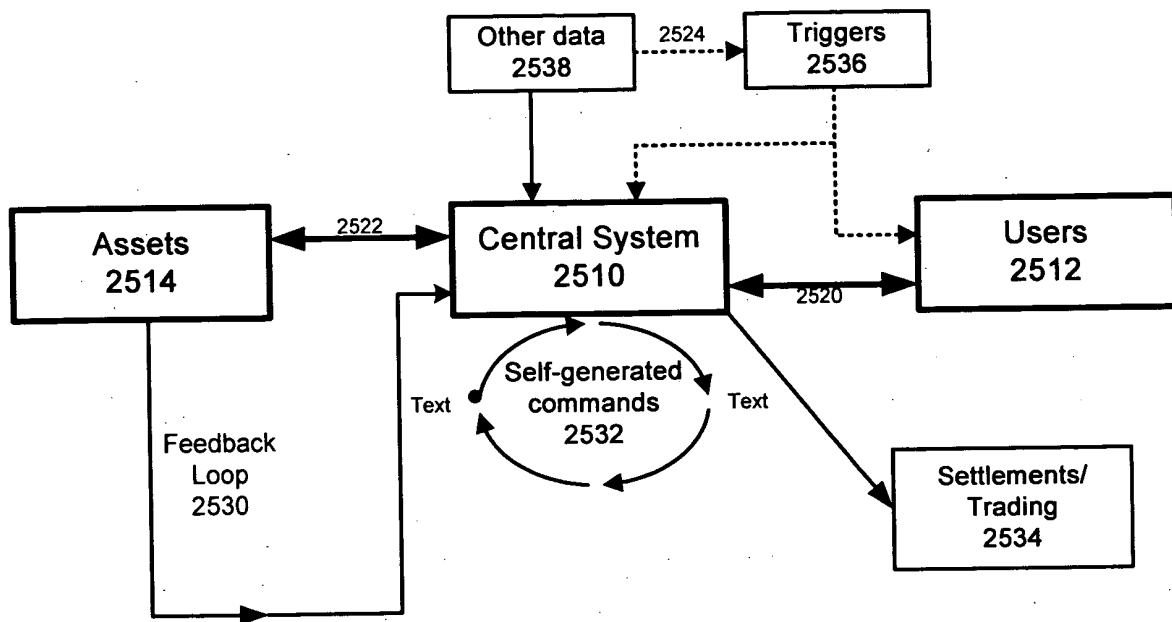


FIG. 25